

# NA301

## Compact Z-Wave Gateway



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# User Guide

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# Chapter 1

## Introduction



*This Chapter provides an overview of the Compact Z-Wave Gateway's features and capabilities.*

Congratulations on the purchase of your new Compact Z-Wave Gateway. The Compact Z-Wave Gateway is a consumer electronic device, which is used for home monitoring and security.

### Package Contents

The following items should be included:

- The Compact Z-Wave Gateway Unit
- Power Adapter

If any of the above items are damaged or missing, please contact your dealer immediately.

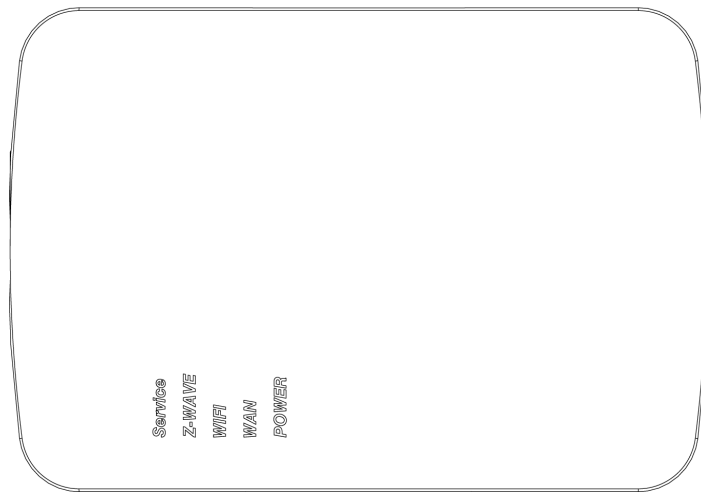
### Features

- MT7620A processor with 128MB Flash and 128MB SDRAM
- One Ethernet port with RJ45 connector
- Front Panel LEDs
- Z-Wave Transceiver
- USB 2.0 port
- WPS button
- Reset button
- Sync button
- Power In connector
- Internal antenna for WiFi and Z-Wave

## LEDs

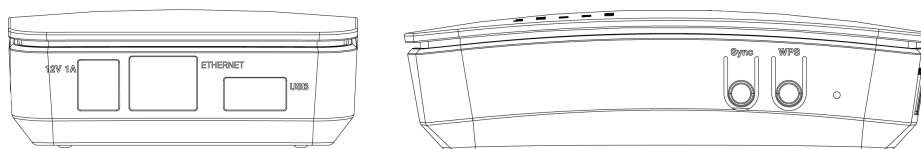
### Top-mounted LEDs

The Compact Z-Wave Gateway has five LEDs.



<b>Service</b>	<ul style="list-style-type: none"><li>• <b>On</b> (Green) - Control Point has made a successful activation to the Portal Server.</li><li>• <b>Off</b> - Cloud service is not available.</li><li>• <b>Flashing</b> - Attempting to establish a connection to the Portal Server.</li></ul>
<b>Z-Wave</b>	<ul style="list-style-type: none"><li>• <b>On</b> (Green) - Z-Wave function enabled.</li><li>• <b>Off</b> - Z-Wave function disabled.</li><li>• <b>Flashing</b> - Learn/exclusion mode is on.</li></ul>
<b>WiFi</b>	<ul style="list-style-type: none"><li>• <b>On</b> - Wireless connection available</li><li>• <b>Off</b> - No Wireless connection available.</li><li>• <b>Flashing</b> - Data is being transmitted or received via the Wireless connection.</li></ul>
<b>WAN</b>	<ul style="list-style-type: none"><li>• <b>On</b> (Green) - Ethernet connection established.</li><li>• <b>Off</b> - No active connection on the corresponding Ethernet port.</li><li>• <b>Flashing</b> - Data is being transmitted or received via the Ethernet (hub) port.</li></ul>
<b>POWER</b>	<ul style="list-style-type: none"><li>• <b>On</b> (Green) - Power On</li><li>• <b>Off</b> - Power Off</li><li>• <b>Flashing</b> - Reboot or Firmware upgrade.</li></ul>

## Rear/Side Panel



<b>Power Port</b>	Connect the supplied power adapter here.
<b>ETHERNET Port</b>	Use standard LAN cable (RJ45 connector) to connect your PC to the port.
<b>USB Port</b>	The connector is USB host with support for mass storage device.
<b>Sync Button</b>	Push this button to synchronize for portal server or Z-Wave clients.
<b>WPS Button</b>	Push the WPS button on the device and on your other wireless device to perform WPS function that easily creates an encryption-secured wireless connection automatically.
<b>Reset</b>	<p>This button has two (2) functions:</p> <ul style="list-style-type: none"> <li>• <b>Reboot.</b> When pressed and released, the Compact Z-Wave Gateway will reboot (restart).</li> <li>• <b>Clear All Data.</b> This button can also be used to clear ALL data and restore ALL settings to the factory default values.</li> </ul> <p>To Clear All Data and restore the factory default values:</p> <ol style="list-style-type: none"> <li>1. Power On.</li> <li>2. Keep holding the Reset Button down for 8 seconds.</li> </ol> <p>Release the Reset Button. The Compact Z-Wave Gateway is now using the factory default values.</p>

# Chapter 2

## Initial Installation

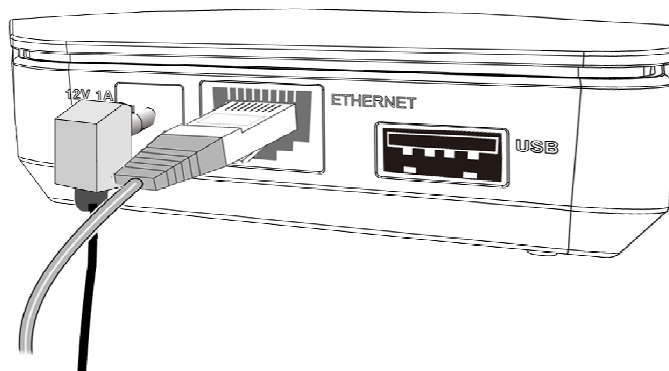
# 2

*This Chapter covers the software installation of the Compact Z-Wave Gateway.*

### Requirements

- Use a standard 10/100BaseT network (UTP) cable with RJ45 connector.

### Procedure



#### 1. Choose an Installation Site

Select a suitable place to install the Compact Z-Wave Gateway.

#### 2. Connect LAN Cable

Use standard LAN cable to connect devices to the Ethernet port on the Compact Z-Wave Gateway.

#### 4. Power Up

Connect the supplied power adapter to the Compact Z-Wave Gateway. Use only the power adapter provided. Using a different one may cause hardware damage.

#### 5. Check the LEDs

- The *POWER* LED should be ON.
- The *WAN* LED should be ON (provided the PC is also ON.)

# Chapter 3

## Configuration



*This Chapter provides Setup details of the Z-Wave System.*

### Configuration Program

This Web Portal can help you to set up your Z-Wave system with the compatible devices. It allows you to securely access your home remotely from the Internet or a mobile phone. If you want to be notified when the events occur at home, the system will send you email and SMS notifications.

### Preparation

Before attempting to configure the Compact Z-Wave Gateway, please ensure that:

- Your PC can establish a physical connection to the Compact Z-Wave Gateway. The PC and the Compact Z-Wave Gateway must be directly connected (using the Hub port on the Compact Z-Wave Gateway) or on the same LAN segment.
- The Compact Z-Wave Gateway must be installed and powered ON.

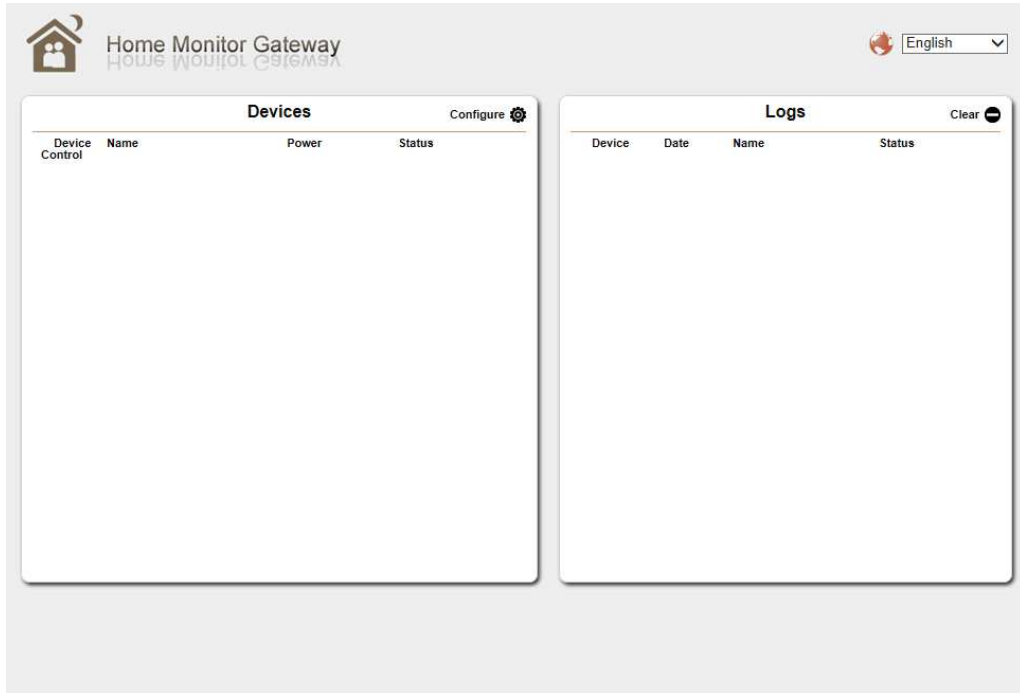
### Using your Web Browser

To establish a connection from your PC to the Compact Z-Wave Gateway:

1. Start your WEB browser.
2. In the *Address* box, enter "HTTP://" and the IP Address of the Compact Z-Wave Gateway, as in this example, which uses the Compact Z-Wave Gateway's default IP Address:  
`HTTP://192.168.1.1`
3. When prompted for the User name and Password, enter values as follows:
  - User name     `admin`
  - Password     `admin`

## Home Screen

After log in, you will see the *Home* screen. When you connect in future, you will see this screen when you connect. An example screen is shown below.



The screenshot displays the Home Monitor Gateway interface. At the top left is a home icon and the text "Home Monitor Gateway". At the top right is a globe icon and a language dropdown menu set to "English". Below the header are two main panels: "Devices" and "Logs".

**Devices Panel:** Features a "Configure" gear icon. It contains a table with the following headers: Device, Name, Power, and Status. One entry is visible: "Control".

Device	Name	Power	Status
Control			

**Logs Panel:** Features a "Clear" button with a minus sign icon. It contains a table with the following headers: Device, Date, Name, and Status. The table is currently empty.

Device	Date	Name	Status
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## Regulatory Approvals

### FCC Statement

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

### FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

### IC Approvals

CAN-ICES-3 (B)/ NMB-3(B)

This device complies with RSS-210 of the Industry Canada Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Ce dispositif est conforme à la norme CNR-210 d'Industrie Canada applicable aux appareils radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout

brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

Radiation Exposure Statement:

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Déclaration d'exposition aux radiations: Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

## **CE Approvals**

The Compact Z-Wave Gateway and the Ethernet Compact Z-Wave Gateway meet the guidelines of the European Union and comply with the 99/5/EEC and RTTE 99/5EG directives, including the following standards:

- EN 55022
- EN 55024
- EN 62311
- EN301489 -1/ -17

This is a Class B product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.